CLAIMS

Having described our invention, we claim:

1. A method for infusing a region of strands in a cable with liquid potting compound, comprising:

   a. exposing said region of strands in said cable;

   b. providing a mold including

      i. a strand cavity;

      ii. an infeed runner for carrying said liquid potting compound, wherein said infeed runner leads into said strand cavity;

   c. placing said region of strands within said strand cavity within said mold; and

   d. injecting said liquid potting compound into said strand cavity through said infeed runner, so that said liquid potting compound infuses throughout said region of strands.

2. A method as recited in claim 1, wherein said step of exposing said region of strands comprises splaying said region of strands into a fan.

3. A method as recited in claim 1, wherein said step of exposing said region of strands comprises splaying said region of strands into a cone.

4. A method as recited in claim 1, wherein said step of exposing said region of strands comprises splaying said region of strands into a radial fan.

5. A method as recited in claim 1, comprising the additional step of providing said mold with a separator positioned to splay said region of strands apart when said region of strands is placed within said strand cavity.

6. A method as recited in claim 1, comprising the additional step of providing said mold with a liquid vent connected to said strand cavity.

7. A method as recited in claim 6, comprising the additional step of applying a vacuum to said liquid vent.

8. A method for infusing a region of strands in a cable with liquid potting compound, comprising:

a. exposing said region of strands in said cable;

b. providing a mold including a strand cavity having an open end;

c. placing said region of strands within said strand cavity within said mold;

d. providing an injector, including

i. a sealing surface;

ii. a needle, extending from said sealing surface, having a first end proximate said sealing surface and a second end distal to said sealing surface;

iii. an injection orifice proximate said second end of said needle;

e. clamping said injector against said mold so that said needle protrudes into said region of strands and said sealing surface seals said open end of said strand cavity; and

f. injecting said liquid potting compound into said strand cavity through said injection orifice, so that said liquid potting compound infuses throughout said region of strands.

9. A method as recited in claim 8, further comprising the additional step of providing said injector with a vent.

10. A method as recited in claim 8, wherein said mold is an anchor and said strand cavity is an internal passage within said anchor.

11. A method for attaching an anchor having an internal passage and an open end to a region of strands on an end of a cable, comprising:

a. exposing said region of strands in said cable;

b. placing said region of strands within said internal passage of said anchor;

c. providing an injector, including

i. a sealing surface;

ii. a needle, extending from said sealing surface, having a first end proximate said sealing surface and a second end distal to said sealing surface;

iii. an injection orifice proximate said second end of said needle;

d. clamping said injector against said open end of said anchor so that said needle protrudes into said region of strands and said sealing surface seals said open end of said anchor;

e. injecting said liquid potting compound into said strand cavity through said injection orifice, so that said liquid potting compound infuses throughout said region of strands; and

f. allowing said liquid potting compound to harden into a solid, thereby locking said region of strands within said anchor.

12. A method as recited in claim 11, further comprising the additional step of providing said injector with a vent.

13. A method for attaching an anchor having an internal passage and an open end to a region of strands on an end of a cable, comprising:

a. exposing said region of strands in said cable;

b. providing a mold including

i. a strand cavity;

ii. an infeed runner for carrying said liquid potting compound, wherein said infeed runner leads into said strand cavity;

c. placing said region of strands within said strand cavity within said mold;

d. injecting said liquid potting compound into said strand cavity through said infeed runner, so that said liquid potting compound infuses throughout said region of strands;

e. removing said region of strands from said mold;

f. placing said anchor proximate said region of strands so that said region of strands lies within said internal passage; and

g. allowing said liquid potting compound to harden into a solid, thereby locking said region of strands within said anchor.

14. A method as recited in claim 13, wherein said step of exposing said region of strands comprises splaying said region of strands into a fan.

15. A method as recited in claim 13, wherein said step of exposing said region of strands

comprises splaying said region of strands into a cone.

16. A method as recited in claim 13, wherein said step of exposing said region of strands comprises splaying said region of strands into a radial fan.

17. A method as recited in claim 13, comprising the additional step of providing said mold with a separator positioned to splay said region of strands apart when said region of strands is placed within said strand cavity.

18. A method as recited in claim 13, comprising the additional step of providing said mold with a liquid vent connected to said strand cavity.

19. A method as recited in claim 18, comprising the additional step of applying a vacuum to said liquid vent.

20. A method for infusing a region of strands in a cable with liquid potting compound, comprising:

a. exposing said region of strands in said cable;

b. providing a mold including a strand cavity having an open end;

c. placing said region of strands within said strand cavity within said mold;

d. providing an injector, including

i. a sealing surface;

ii. an injection orifice in said sealing surface;

e. clamping said injector against said mold so that said injection orifice is directed toward said region of strands and said sealing surface seals said open end of said strand cavity; and

f. injecting said liquid potting compound into said strand cavity through said injection orifice, so that said liquid potting compound infuses throughout said region of strands.

21. A method as recited in claim 20, further comprising the additional step of providing said injector with a vent.

22. A method as recited in claim 21, wherein said mold is an anchor and said strand cavity is an internal passage within said anchor.